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PHOTOGRAPHIC INTERPRETATION REPORT



CHRONOLOGY OF FAUSTOVO
ROCKET ENGINE TEST FACILITY
FAUSTOVO, USSR

Declass Review by
NIMA/DOD

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CHRONOLOGY OF FAUSTOVO ROCKET ENGINE TEST FACILITY FAUSTOVO, USSR

INTRODUCTION

This report concerns the chronological development of the Faustovo Rocket Engine Test Facility located on the northern edge of Faustovo at 55-28N 38-30E, 15.0 nm southeast of Ramenskoye, USSR (Figure 1). The facility is located in a densely wooded area and is rail and road served.

The installation is probably a research and development facility for such weapons as air-to-air or air-to-surface rockets or rocket components, small solid propellant rocket motors and possibly for aircraft RATO (rocket-assisted takeoff), JATO (jet-assisted takeoff), and pilot ejection systems. Various types of testing are being conducted at this facility as indicated by the presence of a large rocket sled test track, a multiple position test area, and a horizontal test area. This installation could be associated with the Ramenskoye Aircraft Experimental Plant and the Ramenskoye Flight Test Center located approximately 15.0 nm to the northwest.

DESCRIPTION

The facility has been divided, for descriptive purposes, into 5 separate areas of importance, Area A through Area E (Figure 2). A brief description of each area is presented below.

Area A is a large horizontal test area which is rail and road served and contains a horizontal test building similar to those observed at facilities near Nizhnyaya Salda, Ufa, Zelenogorsk, and Voronezh,* a horizontal test cell, a high-bay assembly/production building, and many other support/storage buildings. Area B is a fenced, revetted storage area; it is road served and contains 4 buildings in separate revetments. Area C is a multiple position test area that contains 3 diamond-shaped test positions; an earth revetment is located to the southwest of each test position. Area D is a large rocket sled test track with an earthen revetment at each end and a probable associated support section near the southwest end of the track. Area E consists of probable

ballistics test ranges and an associated support section. A probable support/housing area is located on the west side of the facility.

The building dimensions presented in Tables 1-3 are believed to be accurate within ± 10 feet or 5 percent, whichever is greater.

HIGHLIGHTS OF CHRONOLOGICAL DEVELOPMENT

1942-1961

This facility did not exist in [redacted] when the site was covered by [redacted]. Initial photographic coverage of the installation was obtained in [redacted] but the poor interpretability of this

coverage allowed only identification of the overall facility.

1962

The entire facility was observed for the first time on photography of good interpretability in [redacted]. The large horizontal test area, Area A (Figure 3), was in the early stages of construction; the horizontal test cell building (item 2, Table 1) and the horizontal test building (item 17) were completed, and the high-bay assembly/production building (item 37) was under construction. Perspectives of the horizontal test cell building and the horizontal test building are shown in Figures 4 and 5, respectively. Some support/storage buildings were also observed. The revetted storage area, Area B (Figure 6 and Table 2), was under construction and appeared approximately 75 percent complete; the multiple position test area, Area C (Figure 6), appeared complete. Perspectives of Areas B and C (excluding the support section of Area C) are shown in Figures 7 and 8, respectively. The large rocket sled test track, Area D, and the probable ballistics test ranges, Area E, were complete. The layouts of Areas D and E are shown in Figure 9; photography of the areas is shown in Figure 10. Table 3 presents data on dimensions and chronology of these areas.

1963

Construction activity and additional buildings were observed in Area A. The high-bay assembly/production building continued under construction. The revetted storage area, Area B, appeared complete. No new major construction activity was observed throughout the facility.

1964

No major additions were observed in 1964. However, many new buildings were discernible throughout the installation. The high-bay assembly/production building which was under construction in 1962 was completed during the year.

1965-1967

Very few additional buildings were observed from 1965 to 1967. Every area, including Area A, appeared complete and operational.

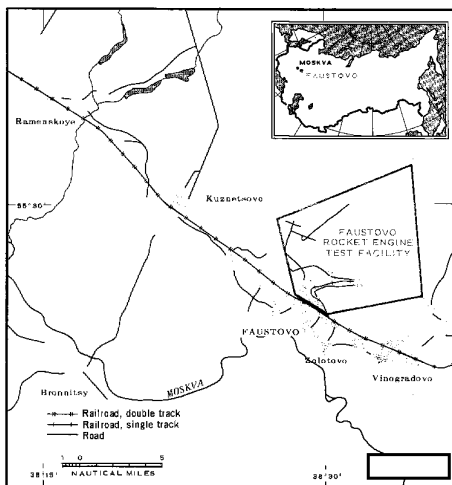


FIGURE 1. LOCATION MAP.

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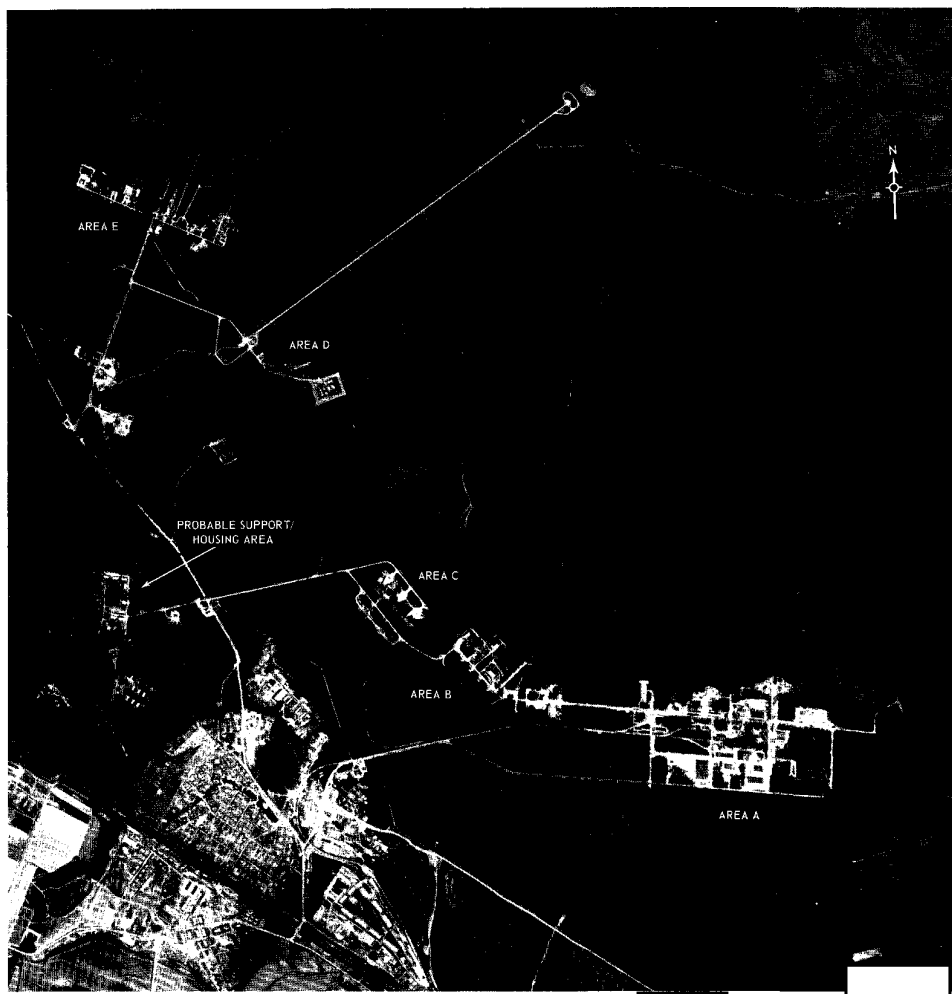


FIGURE 2. FAUSTOVO ROCKET ENGINE TEST FACILITY, USSR

Table 1. Probable Function, Dimensions, and Chronology of Buildings in the Large Horizontal Test Area (Area A)
(Item numbers are keyed to Figure 3)

Item	Probable Function	Dimensions (ft)	Roof Cover (sq ft)	Date First Observed & Apparently Complete
1	Support bldg			
2	Horizontal test cell bldg			
3	Small storage bldg			
4	Support bldg			
5	Support bldg			
6	Storage bldg			
7	Storage bldg			
8	Support bldg			
9	Storage bldg			
10	Support bldg			
11	Support bldg			
12	T-shaped support bldg			
13	Storage bldg			
14	Support bldg			
15	Support bldg			
16	Storage bldg			
17	Horizontal test bldg*			
18	Support bldg			
19	Support bldg			
20	Support bldg			
21	Support bldg			
22	Support bldg			
23	Storage bldg			
24	Support bldg			
25	Support bldg			
26	Storage bldg			
27	Storage bldg			
28	Support bldg			
29	Storage bldg			
30	Storage bldg			
31	Storage bldg			
32	Storage bldg			
33	Large support bldg			
34	Storage bldg			
35	Storage bldg			
36	Support bldg			
37	Large assembly/production bldg			
38	Storage bldg			
39	Support bldg			
40	Support bldg			
41	Support bldg			
42	Support bldg			
43	Large assembly bldg			
44	Utility storage bldg			
45	Small storage bldg			
46	T-shaped storage bldg stem bar			

*Bldg contains 4 test cells and has probable concrete apron; earthen blast deflector located approx 200 ft north of bldg.

**Completed high-bay section at northern end of bldg.

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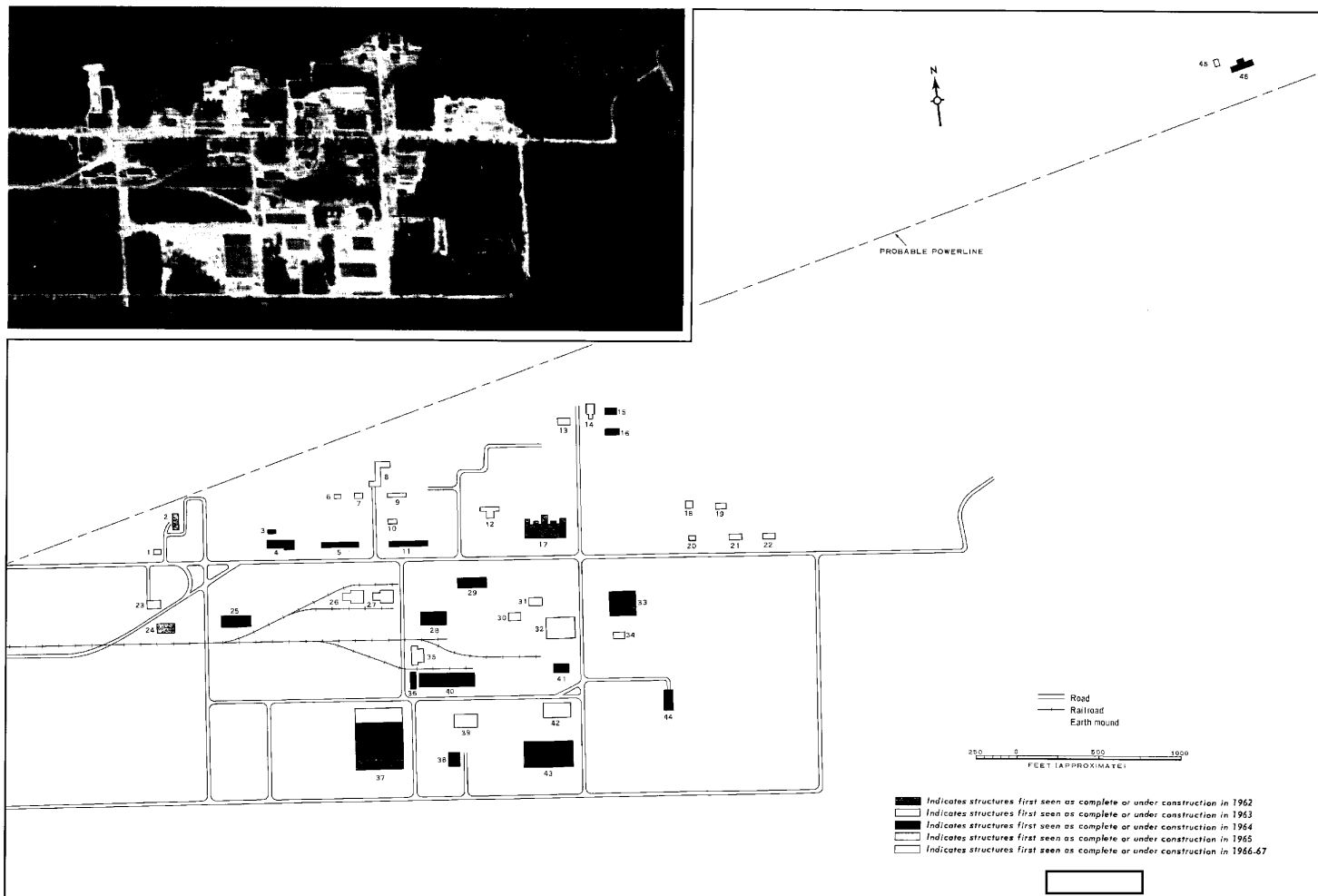


FIGURE 3. LARGE HORIZONTAL TEST AREA (AREA A).

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Table 2. Probable Function, Dimensions, and Chronology of Buildings in the Support/Housing Area, the Revetted Storage Area (Area B), and the Multiple Position Test Area (Area C)
(Item numbers are keyed to Figure 6)

Item	Probable Function	Dimensions (ft)	Roof Cover (sq ft)	Date First Observed & Apparently Complete	Comments
Probable Support/Housing Area					
1	Support/housing bldg	100 x 50	5,000		Small bldg located to
2	Support/housing bldg	100 x 50	5,000		
3	Support/housing bldg	100 x 50	5,000		
4	Support/housing bldg	100 x 45	4,500		
5	Support/housing bldg	100 x 50	5,000		
6	Support/housing bldg				
7	Storage bldg	100 x 50	5,000		
8	Storage bldg				
9	Storage bldg				
10	Support/housing bldg				
11	T-shaped admin bldg				
	stem	70 x 30	2,100		
	bar	150 x 35	5,250		
12	Barracks bldg	80 x 45	3,600		
13	Barracks bldg	80 x 45	3,600		
14	Barracks bldg	80 x 45	3,600		
15	Storage bldg				
16	Barracks bldg	80 x 45	3,600		
17	Barracks bldg	80 x 45	3,600		
18	Barracks bldg	80 x 45	3,600		
Area C					
19	Storage bldg				
20	Storage bldg	150 x 30	4,500		
21	Support bldg				
22	Storage bldg				
Area B					
23	Revetted storage bldg	100 x 40	4,000		
24	Revetted storage bldg	100 x 40	4,000		
25	Revetted storage bldg	70 x 40	2,800		
26	Revetted storage bldg	100 x 60	6,000		
Support Section (Area B)					
27	Support bldg	185 x 55	10,175		Smaller bldg located to Drive-in bldg Poss drive-through bldg
28	Support bldg				
29	Support bldg				
30	Support bldg				

FIGURE 4. PERSPECTIVE OF HORIZONTAL TEST CELL BUILDING (ITEM 2, FIGURE 3).

FIGURE 5. PERSPECTIVE OF HORIZONTAL TEST BUILDING (ITEM 17, FIGURE 3).

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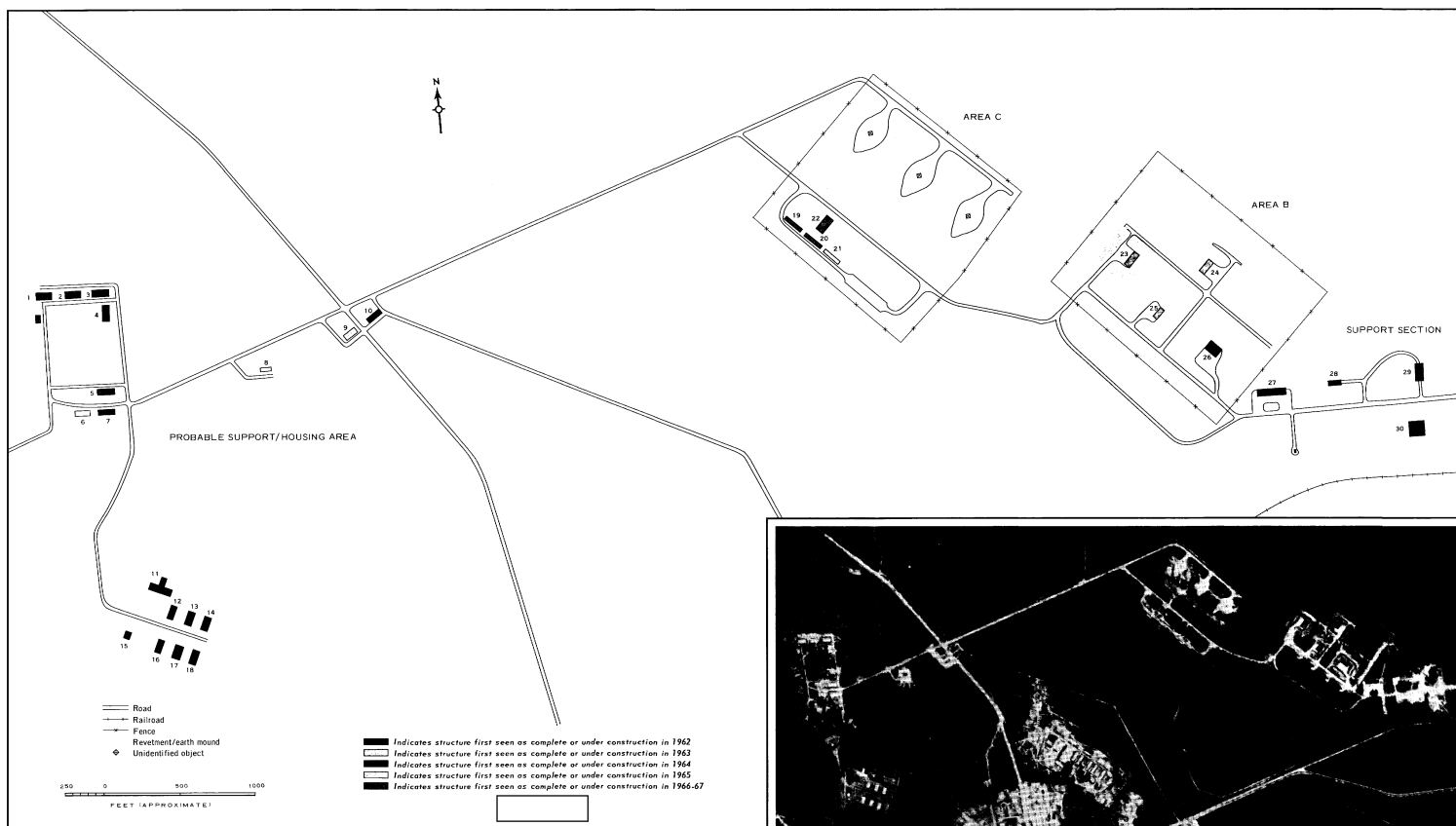


FIGURE 6. REVETTED STORAGE AREA (AREA B), MULTIPLE POSITION TEST AREA (AREA C), AND PROBABLE SUPPORT/HOUSING AREA.

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Table 3. Probable Function, Dimensions, and Chronology of Buildings in the Rocket Sted Test Track Area (Area D) and the Ballistics Test Ranges (Area E)
(Item numbers are keyed to Figure 9)

Item	Probable Function	Dimensions (ft)	Roof Cover (sq ft)	Date First Observed & Apparently Complete	Comments
Support Section (Area E)					
1	T-shaped test support bldg				Poss production/ assembly-type bldg
2	Storage bldg				
3	Storage bldg				
4	Support bldg				
5	Storage bldg				
6	Small storage bldg				
7	Storage bldg				
8	Storage bldg				
9	Storage bldg				
10	Storage bldg				
11	Support bldg				
Area E					
12	H-shaped test support bldg				
13	Support bldg				
14	Test support bldg				
15	Test support bldg				
16	Test support bldg				
17	Storage bldg				
18	Test support bldg				
19	Test control bldg				
20	Test support bldg				
21	Test support bldg				
22	Test support bldg				
23	Test support bldg				
Area D					
24	Prob control bldg				
25	Prob control bldg				
26	Storage bldg				
Support Section (Area D)					
27	Support bldg				Isolated bldg not considered part of Area D
28	Support bldg				
29	Support/housing bldg				
30	Support/housing bldg				
31	Support bldg				
32	Support bldg				
33	Support/housing bldg				
34	Support bldg				
35	Support bldg				

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FIGURE 7. PERSPECTIVE OF REVETTED STORAGE AREA (AREA B).

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FIGURE 8. PERSPECTIVE OF MULTIPLE POSITION TEST AREA (AREA C).

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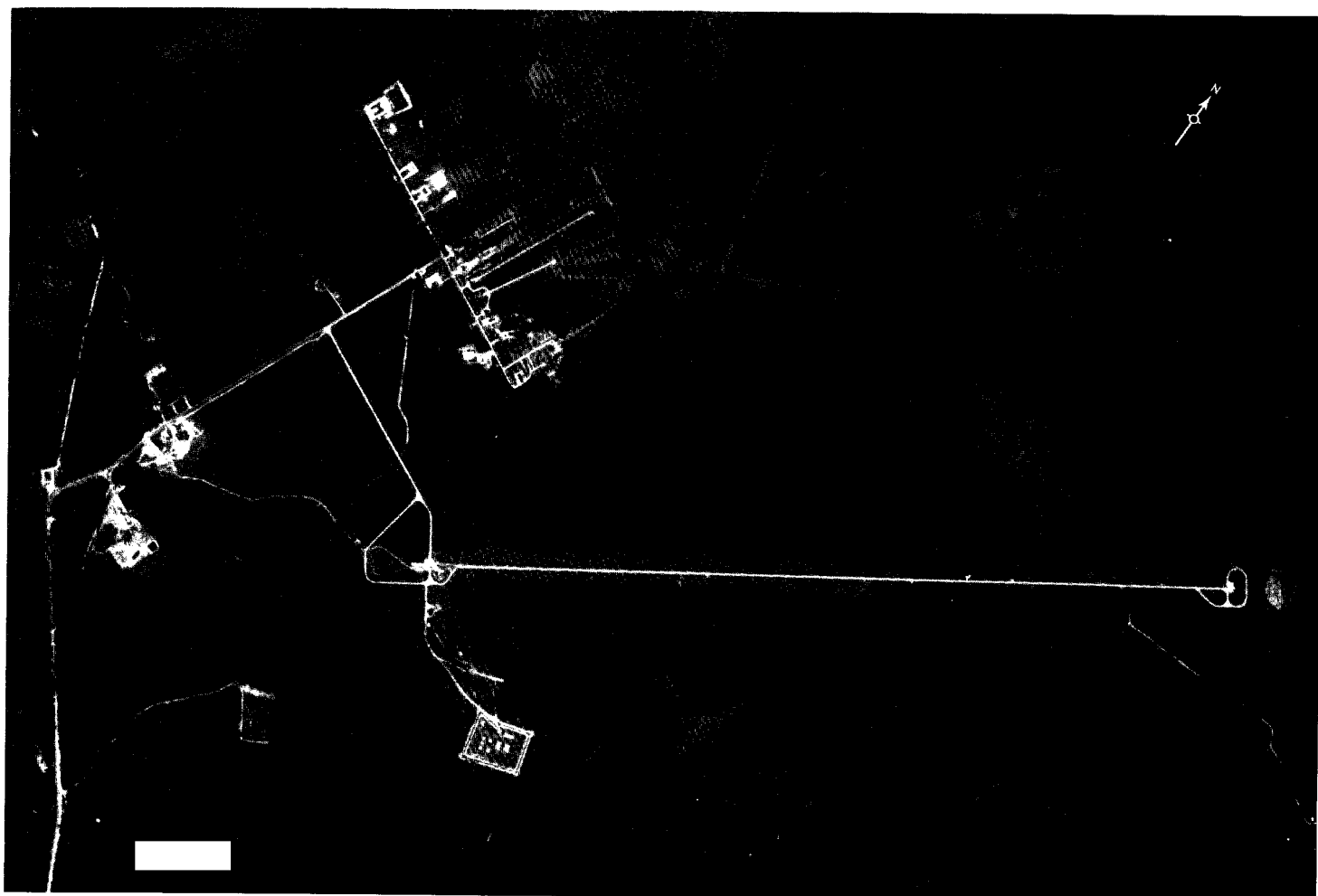
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FIGURE 10. ROCKET SLED TEST TRACK AREA AND BALLISTICS TEST RANGES

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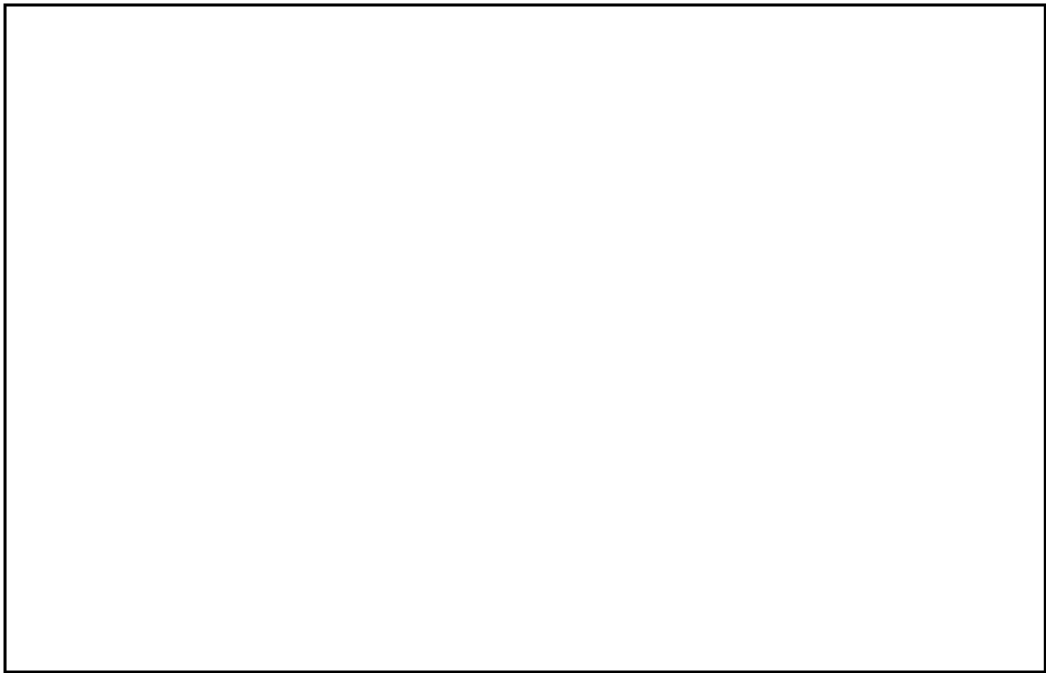
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REFERENCES



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MAPS OR CHARTS

ACIC. US Air Target Chart, Series 200, Sheet 0167-5

RELATED DOCUMENTS

NPIC. [redacted] *Propellants Test Facility Near Faustovo, USSR*, Aug 65 (TOP SECRET [redacted])
[redacted]

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REQUIREMENT

CIA. C-DI5-82,973

NPIC PROJECT

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